Hypersensitivity pneumonitis is difficult to diagnose and successful treatment is dependent upon accurate identification of the causative antigen and successful avoidance by the patient to future exposures. This research utilizes a cross-disciplinary patient-centered approach to determine the causative antigen in individuals with hypersensitivity pneumonitis and the effectiveness of a tailored exposure avoidance plan as it relates to improvement of health outcome(s).

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Dr. Millerick-May has over 20 years of experience as a toxicologist, industrial hygienist, and epidemiologist working in both the automotive industry and now in an academic setting. Melissa has leveraged her expertise as an exposure scientist to conduct field-based research centered on exposures related to the development of disease in humans and alongside colleagues in extension, animal science, and veterinary medicine to identify risk factors for disease development in equine sport/performance disciplines and disease spread in food animal production, with an aim to create a paradigm shift toward implementation of source-based exposure control strategies. Dr. Millerick-May also works with MSU Environmental Health and Safety on special projects focused on reducing workplace injuries and illness.